APPLICANT(S): Gabi RAZIEL
SERIAL NO.: n/a (Nat. Phase of PCT/IL2003/000867)
I.A. FILED: October 23, 2003

AMENDMENTS TO THE CLAIMS

Kindly amend the claims as follows:

1. (original) A method to convert the energy of terrestrial wind to electric or other usable energies, comprising interalia the following steps; a. constructing at least two elongated walls, wherein said walls form together a V shape, and said V shape has an open rim facing the direction from which the wind is usually blowing; and, b. affixing one or more wind turbines in the vicinity of the close rim of said V shape; wherein said constructions collecting the wind and tunneling it throughout the open side towards close rim to the turbines, so that the energy of the wind is converted to a usable energy as the turbines are activated by the wind.

2. (original) The method according to claim 1, comprising the following steps; a. collecting the wind along the side of a wall member of a construction, in a movement beginning from the distal portion of the wall to its proximal portion, whereat a wind pier is located; b. tunneling said wind to flow throughout at least one turbine located inside said pier ; c. generating energy as the turbine is activated by the wind; and, d. exhausting the said wind outside said pier.

3. (original) The method according to claim 1, wherein the energy generated by the wind is electrical energy.

4. (original) The method according to claim 3, wherein the electric power is substantially transferred directly to an end user or gathered in a battery.

5. (original) The method according to claim 1, adapted for use in cooling units, wherein the energy is use for cooling or heating.

6. (original) The method according to claim 1, wherein the construction is selected from walls, fences, buildings, houses, industrial plants, or any other man-made constructions.

7. (original) A construction useful to convert a flow of terrestrial wind along the outer surface of a side of said construction into a usable energy; wherein said construction comprises at least two elongated walls; further wherein said walls form together a V shape, and said V shape has an open rim facing the direction from which the wind is usually blowing; and wherein one or more wind turbines are affixed in the vicinity of the close rim of said V shape.

8. (original) The construction according to claim 7, comprising only one elongated wall.

9. (original) The construction according to claim 7, comprising; a. an elongated and gradually continuous wall member having a proximal approaching the close rim of the v shape, and distal portion facing the open rim of the shape; b.a gradually rounded wind pier located adjacent to the proximal portion of said wall; having at least one opening; c. at least one wind turbine; and, d. an exhaust, whereat wind is leaving the pier after the turbine was activated.

10. (original) The construction according to claim 9, wherein said proximal portion of the wall is having means to direct the wind, flowing from a predetermined direction, to the distal portion of said barrier.

11. (original) The construction according to claim 9, wherein said distal portion of the wall is having means to project the wind, flowing from the direction of the proximal portion of the barrier, to a wind pier.

12. (original) The construction according to claim 9, wherein a plurality of said constructions is arranged in a perpendicular stack configuration.

13. (currently amended) The stack according to claim 12, comprising a plurality of 2 to 20 individual ones of said constructions ~~as defined in claim 7 or in any of its dependent claims~~.

14. (original) The stack according to claim 13, adapted so the bottom rim of a upper wall in attached effectively to a top rim of a wall located below, so a mutual wall of an increased surface are is obtained.

15. (original) The construction according to claim 7, comprising a plurality of walls in communication with one wind pier, each wall is in communication with an opening of the wind pier.

16. (original) The construction according to claim 15, comprises 2 to 8 walls.

17. (original) The construction according to claim 15, comprises 2 to 4 walls.

18. (currently amended) The construction according to claim 16 ~~and 17~~, comprises an X shape, wherein the wind is collected and tunneled towards the turbine from more than one direction.

19. (original) The construction according to claim 9, additionally comprising means to direct the wall or the opening towards the wind, so more winds are to be collected and more energy is generated.

20. (original) The construction according to claim 19, comprising weathercock or weathervane adapted to direct the wall or the opening towards the wind.

21. (original) The construction according to claim 9, wherein the wind pier comprising female or male threads having means to force the wind to flow in a predetermined wind tunnel.

22. (original) The construction according to claim 9, wherein the wind pier comprising more then one wind turbine.

23. (original) The construction according to claim 9, wherein the wind pier comprising more then one opening.

24. (original) The construction according to claim 9, wherein the wind turbine is arranged either parallel or horizontal to the direction of wind flow.

25. (original) The construction according to claim 9, wherein the wall is selected from walls, fences, buildings, houses, industrial plants, or any other man-made constructions.

26. (original) The construction according to claim 9, wherein the wall is at least partially made of flexible materials, selected from polymers, rubbers, linen, cloths or any combination thereof.

27. (original) The construction according to claim 9, wherein the wall is at least partially made of rigid materials, selected from cross-linked polymers, metals, glassware, composite materials or any combination thereof.

28. (cancelled)

29. (currently amended) The ~~existing~~ construction according to claim ~~28~~ 7, selected from either man-made constructions or any pattern of the landscape.

30. (original) A building or an array of buildings, located gradually perpendicular to the terrestrial wind flow, comprising at least one wind turbine located in a wind pier, adapted to collect said wind along at least one face of said building, and to tunnel said wind to said turbine, so a energy is generated upon the activation of the turbine by said wind.

31. (original) The array of buildings according to claim 30, having a central power center, wherein said power center comprises at least one wind pier, and wherein each said piers comprises at least one wind turbine, so wind flowing towards each of the buildings is tunneled to activate the said turbine so energy is generated.